

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/23/2024

QC BATCH ID: LB132141

BOD Water: WP109379

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109381

NaOH, 1N: WP108662

GGA: WP109380

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3121

Zero DO: WP108811

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.3	18.7	9.4	9.4

Meter Calibration1: 9.06

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.32

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB132141

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 10:45

TIME OUT: 10:15

DATE IN: 08/23/2024

DATE OUT: 08/28/2024

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB132141BL	1	No	6.72	N/A	20.50	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.44	6.54	2.9	0.58	0.62	
POLYSEED	2					15	9.41	4.55	4.86	0.65		
POLYSEED	3					20	9.37	3.21	6.16	0.62		
GGA	1					6	9.45	5.36	4.09	173.5	183.67	
GGA	2					6	9.37	4.91	4.46	192		
GGA	3					6	9.33	5.00	4.33	185.5		
P3705-02	1	No	6.51	N/A	20.20	0.5	9.38	6.79	2.59	1182	1342.5	
P3705-02	2					1	9.32	3.69	5.63	1503		
P3705-02	3					2	9.23	0.63	-	0		
P3705-02	4					3	9.21	0.36	-	0		
P3705-02DUP	1	No	9.51	N/A	20.20	0.5	9.37	6.91	2.46	1104	1312.5	
P3705-02DUP	2					1	9.30	3.61	5.69	1521		
P3705-02DUP	3					2	9.23	0.61	-	0		
P3705-02DUP	4					3	9.19	0.30	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

6132141

WorkList Name : BOD5-8-24

WorkList ID : 182885

Department : Wet-Chemistry

Date : 08-22-2024 11:14:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3705-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	G11	08/21/2024	SM5210 B

Date/Time 08/23/2024 09:15
Raw Sample Received by: RH cwc
Raw Sample Relinquished by: JH GOC

Date/Time 08/23/2024 10:00
Raw Sample Received by: JH GOC
Raw Sample Relinquished by: RH cwc